

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 December 2005 (15.12.2005)

PCT

(10) International Publication Number
WO 2005/117535 A2

(51) International Patent Classification: Not classified

SCHMUTZLER, Todd [US/US]; 1525 N. 290W, Angola, IN 46703 (US).

(21) International Application Number:
PCT/US2004/037838

(74) Agent: VAN DYKE, GARDNER, LINN & BURKHART, LLP; Timothy A. Flory, 2851 Charlevoix Drive, SE, P.O. Box 888695, Grand Rapids, MI 49588-8695 (US).

(22) International Filing Date:
12 November 2004 (12.11.2004)

(25) Filing Language: English

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:
29/206,196 27 May 2004 (27.05.2004) US
60/521,745 29 June 2004 (29.06.2004) US

(71) Applicant (for all designated States except US): BRAMMALL, INC. [US/US]; 409 Hoosier Drive, Angola, IN 46703 (US).

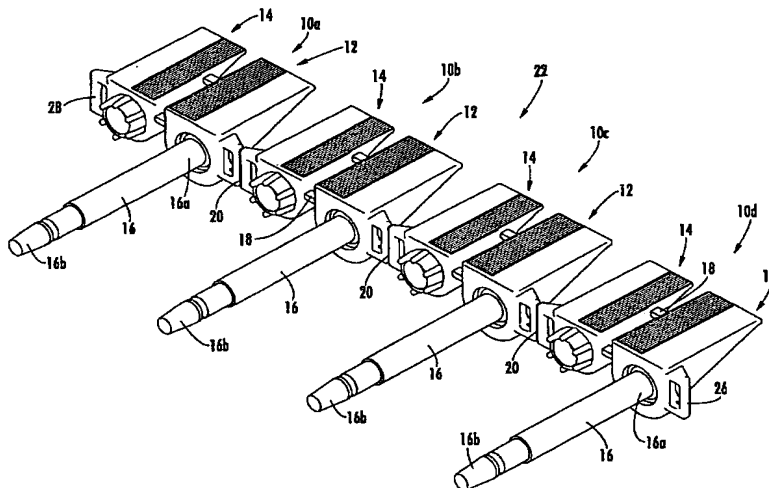
(72) Inventors; and

(75) Inventors/Applicants (for US only): HAMILTON, Eric, K. [US/US]; 10421 White Cedar Road, Fort Wayne, IN 46814 (US). KROMKOWSKI, Joseph, S. [US/US]; 15283 Roscommon Lane, Granger, IN 46530 (US).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,

[Continued on next page]

(54) Title: LOCKING DEVICE



(57) Abstract: A locking device (10) includes a pair of end pieces (12, 14) and a locking member (16). One end piece (12) receives an end of the locking member, while the other end piece (14) is configured to receive the other end when the locking member is inserted through an object to lock the locking device to the object. The end pieces are formed together via a forming process, and are joined together via at least one frangible element or portion (18, 20) that is formed or molded during the forming process. The end pieces thus may be separated via breaking the frangible element or elements when it is desired to lock the locking device to an object. Multiple locking devices may be formed together and may be joined via frangible portions or elements such that a strip or series (22) of locking devices may be unitarily formed together.



SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE,*

BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*
- *of inventorship (Rule 4.17(iv)) for US only*

Published:

- *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.